## WHAT IS CLAIMED IS:

- 1. An ink jet printing method comprising the steps of:
- Providing an ink jet printer that is responsive to digital data signals;
- B) loading said printer with ink jet recording element comprising a support having thereon an image-receiving layer comprising non-silicon-containing inorganic oxide particles, said particles having their surfaces treated with a silane coupling agent having a hydrophilic, organic moiety;
- C) loading said printer with an ink jet ink composition; and
- D) printing on said image-receiving layer using said ink jet ink composition in response to said digital data signals.

2. The method of Claim 1 wherein said image-receiving layer contains said particles in an amount of from about 40 to about 95% by weight.

- 3. The method of Claim 1 wherein said inorganic oxide particles are pseudo-boehmite, alumina, zirconia, titania, yttria or ceria.
  - 4. The method of Claim 1 wherein said inorganic oxide particles are treated with said silane coupling agent in an amount of from about 0.01 to about 0.5 mmol/gram.
- 5. The method of Claim 1 wherein said silane coupling agent is N-(trimethoxysilylethyl)benzyl-N,N,N-trimethylammonium chloride; N-trimethoxysilylpropyl-N,N,N-tributylammonium chloride; octadecyldimethyl(3-trimethoxysilylpropyl)ammonium chloride; or N-(3-triethoxysilylpropyl)-4,5-dihydroimidazole.

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- 6. The method of Claim 1 wherein said image-receiving layer contains a polymeric binder.
- 7. The method of Claim 6 wherein said polymeric binder is poly(vinyl alcohol).
  - 8. The method of Claim 6 wherein said polymeric binder is present in an amount of from about 5 to about 30% by weight.
- 9. The method of Claim 1 wherein said image-receiving layer is present at a thickness of from about 1  $\mu$ m to about 60  $\mu$ m.
  - 10. The method of Claim 1 wherein said inorganic oxide particles have a particle size of from about 5 nm to about 1,000 nm.
  - 11. The method of Claim 1 wherein a base layer is present in between said support and said image-receiving layer.
- 12. The method of Claim 11 wherein said base layer comprises20 inorganic particles and a polymeric binder.
  - 13. The method of Claim 12 wherein said inorganic particles are calcium carbonate, calcined clay, aluminosilicates, zeolites or barium sulfate.
- 25 14. The method of Claim 12 wherein said polymeric binder is a styrene/acrylic latex, styrene/butadiene latex or poly(vinyl alcohol).